

Title (en)
ROLLUP DOOR WITH ROLLABLE DOOR LEAF

Title (de)
AUFROLLTOR MIT AUFROLLBARER TÜR

Title (fr)
PORTE A ENROULEMENT COMPRENANT UN BATTANT POUVANT ETRE ENROULE

Publication
EP 1601853 A1 20051207 (EN)

Application
EP 03816099 A 20031029

Priority
• US 0334166 W 20031029
• US 37249503 A 20030224

Abstract (en)
[origin: US2004163777A1] A rollup door comprising a door leaf of increasing width from top to bottom and having a narrower part on the top and a wider part on the bottom, and flexibility in the rolling direction; channels for guiding the door; and two modules for rolling and unrolling the door leaf so that a number of leaf layers do not come in contact. The modules are situated on each side of the door, have the same center axes and are successive radially enlarged so that on opening and closing of the door, the narrower and wider parts of the leaf engage the smaller and larger parts respectively of the modules.

IPC 1-7
E06B 9/17; **E06B 9/56**

IPC 8 full level
E06B 9/17 (2006.01); **E06B 9/56** (2006.01)

CPC (source: EP KR NO US)
E06B 9/02 (2013.01 - KR); **E06B 9/17** (2013.01 - EP KR NO US); **E06B 9/56** (2013.01 - EP NO US)

Citation (search report)
See references of WO 2004076795A1

Cited by
US11661778B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004163777 A1 20040826; **US 6883577 B2 20050426**; AU 2003303970 A1 20040917; AU 2003303970 B2 20090910; AU 2003303970 C1 20100506; BR 0318134 A 20060207; BR 0318134 B1 20131001; CA 2516840 A1 20040910; CA 2516840 C 20110621; CN 1754036 A 20060329; CN 1754036 B 20100616; EP 1601853 A1 20051207; EP 1601853 B1 20160120; JP 2006514183 A 20060427; JP 4588459 B2 20101201; KR 101056077 B1 20110810; KR 20050115249 A 20051207; MX PA05008986 A 20060517; NO 20054426 D0 20050923; NO 20054426 L 20070525; NO 338036 B1 20160725; NZ 541882 A 20061222; RU 2005126362 A 20060320; RU 2328586 C2 20080710; TW 200416340 A 20040901; TW I325919 B 20100611; US 2005115688 A1 20050602; WO 2004076795 A1 20040910; ZA 200506543 B 20061129

DOCDB simple family (application)
US 37249503 A 20030224; AU 2003303970 A 20031029; BR 0318134 A 20031029; CA 2516840 A 20031029; CN 200380109968 A 20031029; EP 03816099 A 20031029; JP 2004568853 A 20031029; KR 20057015689 A 20031029; MX PA05008986 A 20031029; NO 20054426 A 20050923; NZ 54188203 A 20031029; RU 2005126362 A 20031029; TW 92131216 A 20031107; US 0334166 W 20031029; US 3295205 A 20050111; ZA 200506543 A 20050101